

## 1 Therapeutic Brief

Creative Commons 4.0

## 2 **Description:**

3 Therapeutic Brief is designed to feature a drug specifically for aging intervention or treatment of an age-related 4 disease. The intent is to raise awareness of drugs with potential for aging and age-related disease research for 5 clinical trials.

# 6 Title: Short-term oral rapamycin prevents age-related learning

## 7 impairment in mice

8 [Suggestions: No more than 20 words. No abbreviations except for standardized ones e.g., DNA, RNA, gene or 9 protein names, etc.]

#### 10 Forename Surname<sup>a</sup>, Forename Surname<sup>a,b</sup>, Forename Surname<sup>c</sup>

- 11 <sup>*a*</sup> Department, Institution, City Postcode, Country.
- 12 <sup>b</sup>Department, Institution, City, State Postcode, Country.
- 13 <sup>c</sup>Department, Institution, City Postcode, Province, Country.
- Correspondence to: Prof./Dr. Forename Surname, Department, Institution, Detailed Address, City Postcode,
   Country.
- 16 E-mail: <u>xxxx@xxxx.xxx</u>

#### 17 How to Use This Template

18 This template shows the manuscript structure that can be used in an original article: Abstract, Keywords,

Introduction, Methods, Results, Discussion, Declarations and References. Please note that each part has a
 corresponding style, which authors should follow. Please note that the fonts in gray show writing requirements.
 For any questions, you may contact the <u>editorial office</u>.

## 22 Abstract

- 23 [Suggestions: No more than 250 words. No citations. Define abbreviations at their first mention.]
- 24 Abstract is a brief summary of an article, which helps the readers quickly ascertain the paper's main

# content. In this part, authors may mention writing purpose, background, case presentation, conclusion, *etc.*

20 etc

## 27 Keywords: Aging, older patients, chronic heart failure, drug therapy

- 28 [Please suggest 3-6 keywords which can be used for describing the content of the manuscript and will enable the
- 29 *full text of the manuscript to be searchable online.*]

#### 30 Main text. In this section, authors should describe the main text of the manuscript in detail.

- 31 *Tips:*
- All drugs and chemicals used, including generic name(s), dose(s), and route(s) of administration, should be
   identified precisely;
- When reporting studies on human beings or animals, authors should strictly follow the Helsinki
   Declaration (available at <u>http://www.wma.net/en/30publications/10policies/b3/</u>) and other related publishing
   ethical standards.
- Table 1 (other forms: Tables 1 and 2; Tables 1-3), Equation (1) [other forms: Equations (2) and (3);
  Equations (4-6)] and Figure 1 (other forms: Figure 1A and B; Figure 2A-C; Figures 1 and 2A; Figures 1,
- 39 2A and 3-5) show the examples of diagrams. All the tables, equations and figures should be cited in
- 40 sequence in the main content near to the first time they appear. For supplementary material, authors may
- 41 cite table, equation and figure like Supplementary Table 1, Supplementary Equation (1) and
- 42 Supplementary Figure 1.
  - 1

#### 43 *Tips:*

- 44 Results should be presented in a logical sequence;
- 45 Avoid redundant explanations to all the data from the tables or illustrations.

#### 46 Table 1. This is a table caption. A summary description of this table should be written here

Authors	Regimen	n	Age (year)	CR (%)	2-year (3-year) EFS/PFS (%)	2-year (3-year) OS (%)
Our current study	СНОР	251	17-82	69.8	55.3 (46.0)	58.0 (52.0)
	CVP	67	45-87	29.9*	18.0 (12.0)*	25.0 (19.0)*
Khaled et al.[1]	CHOP	40	19-75	67	54 (54)	82 (71)
Burton <i>et al.</i> <sup>[2]</sup>	CHOP	105	22-66	70	4-year PFS: 56	4-year OS: 65
	CIOP	106	25-67	52	4-year PFS: 40*	4-year OS: 56 <sup>#</sup>

47 This part is footer. \*P < 0.05,  $\#P \ge 0.05$ . EFS: event-free survival; PFS: progression-free survival; OS: overall survival; CHOP:

48 cyclophosphamide, doxorubicin, vincristine, and prednisone; CVP: cyclophosphamide, vincristine, and prednisone; CIOP:

49 cyclophosphamide, idarubicin, vincristine, and prednisone; CR: complete response. This table is cited with permission from Li *et* 50 *al.*<sup>[1]</sup> published in xxx

51 Table notes:

52 • Tables should be cited in numeric order and placed after the paragraph where it is first cited;

53 • The table caption should be placed above the table and labeled sequentially (e.g., Table 1, Table 2);

54 • Tables should be provided in editable form like DOC or DOCX format (picture is not allowed);

55 • Abbreviations and symbols used in table should be explained in footnote;

- 56 Explanatory matter should also be placed in footnotes;
- 57 Non-English words should be avoided;

58 • Permission for use of copyrighted materials from other sources, including re-published, adapted, modified,

59 or partial tables from the internet, must be obtained. It is authors' responsibility to acquire the licenses, to

60 follow any citation instruction requested by third-party rights holders, and cover any supplementary

$$S_i = \sum_{j=1}^n W_j X_j \tag{1}$$

#### 61 Equation note:

62 • Equations should be provided in editable form (image file format is not allowed).





- 63 Figure 1. We present examples of electron micrograph, non-editable and editable images in Figure 1A-C.
- 64 A: description of what the Figure 1A is; B: description of what the Figure 1B is; C: description of what
- 65 the Figure 1C is.

## 66 Figure notes:

- Figures should be cited in numeric order (e.g., Figure 1, Figure 2) and placed after the paragraph where it is first cited;
- 69 Figures can be submitted in format of tiff, psd, AI or jpeg, with resolution of 300-600 dpi;
- Diagrams with describing words (including, flow chart, coordinate diagram, bar chart, line chart, and scatter diagram, etc.) should be editable in word, excel or powerpoint format. Non-English information should be avoided;
- 73 Please use the font in "Times New Roman" format for the text in the chart
- Labels, numbers, letters, arrows, and symbols in figure should be clear, of uniform size, and contrast with
   the background;
- Symbols, arrows, numbers, or letters used to identify parts of the illustrations must be identified and
   explained in the legend;
- Internal scale (magnification) should be explained and the staining method in photomicrographs should be identified;
- 80 All non-standard abbreviations should be explained in the legend;
- Authors should pay attention to the protection of patients' rights, such as privacy and portrait, and obtain
   signed patient consent from authors before using any personal information of patients. The patient's
   portrait with full characters and his/her real name is not allowed for use;
- Permission for use of copyrighted materials from other sources, including re-published, adapted, modified,
   or partial figures and images from the internet, must be obtained. It is authors' responsibility to acquire the
   licenses, to follow any citation instruction requested by third-party rights holders, and cover any
   supplementary charges.

## 88 **DECLARATIONS**

## 89 Acknowledgments

- 90 Anyone who contributed towards the article but does not meet the criteria for authorship, including
- 91 those who provided professional writing services or materials, should be acknowledged. Authors should
- 92 obtain permission to acknowledge from all those mentioned in the Acknowledgments section. This
- 93 section is not added if the author does not have anyone to acknowledge.

## 94 Authors' contributions

- 95 Single author:
- 96 The author contributed solely to the article.
- 97 Two or more authors:

- 98 Made substantial contributions to conception and design of the study and performed data analysis and
- 99 interpretation: Salas H, Castaneda WV;
- 100 Performed data acquisition, as well as provided administrative, technical, and material support: Castillo
- 101 N, Young V
- 102 ...

## 103 Availability of data and materials

- 104 Authors should declare where the data supporting their findings can be found. Data can be deposited into
- 105 data repositories or published as supplementary information in the journal. Authors who cannot share
- 106 their data should state that the data will not be shared and explain it.
- 107 If a manuscript does not involve such issue, please state "Not applicable." in this section.

## 108 Financial support and sponsorship

- 109 If there are sources of funding for the study reported, any relevant grant numbers and the link of funder's
- 110 website should be provided if any. The role of the funding body in the experiment design, collection,
- analysis and interpretation of data, and writing of the manuscript should be declared:
- 112 This work was supported by Grant name XX (No. XXXX; No. XXX)...
- 113 If there is no grant:
- 114 None.

## 115 **Conflicts of interest**

- 116 If there are any potential conflicts of interest that may be perceived as inappropriately influencing the 117 representation or interpretation of reported research results, please declare here.
- 118 If not, please write as "All authors declared that there are no conflicts of interest.".
- Some authors may be bound by confidentiality agreements. In such cases, in place of itemized disclosures, we will require authors to state "All authors declare that they are bound by confidentiality
- agreements that prevent them from disclosing their conflicts of interest in this work.".
- If authors are unsure whether conflicts of interest exist, please refer to the "Conflicts of Interest" of ANT
   <u>Editorial Policies</u> for a full explanation.

## 124 Ethical approval and consent to participate

- Research involving human subjects, human material or human data must be performed in accordance with the <u>Declaration of Helsinki</u> and approved by an appropriate ethics committee. An informed consent to participate in the study should also be obtained from participants, or their parents or legal guardians for children under 16. A statement detailing the name of the ethics committee (including the reference number where appropriate) and the informed consent obtained must appear in the manuscripts reporting such research.
- 131 Studies involving animals and cell lines must include a statement on ethical approval. More 132 information is available at <u>Editorial Policies</u>.
- 133 If the manuscript does not involve such issue, please state "Not applicable." in this section.

#### 134 **Consent for publication**

- Manuscripts containing individual details, images or videos, must obtain consent for publication from that person, or in the case of children, their parents or legal guardians. If the person has died, consent for publication must be obtained from the next of kin of the participant. Manuscripts must include a statement that a written informed consent for publication was obtained. Authors do not have to submit
- 139 such content accompanying the manuscript. However, these documents must be available if requested.
- 140 If the manuscript does not involve this issue, state "Not applicable." in this section.

## 141 **Copyright**

142 Authors retain copyright of their works through a Creative Commons Attribution 4.0 International

- 143 License that clearly states how readers can copy, distribute, and use their attributed research, free of
- 144 charge. Authors are required to sign License to Publish before formal publication.

## 145 **REFERENCES**

146 Identify references in the text by alphabetic numerals e. g. [1-3] or [1, 2]. The reference list should be 147 separated from the text; references must be numbered consecutively in the order in which they are 148 mentioned in the text. Use the style of the examples below, which are based on the formats used by the 149 NLM in Index Medicus. The titles of journals should be abbreviated according to the style used in Index 150 Medicus. Use complete name of the journal for non-indexed journals. Avoid using abstracts as references. 151 Information from manuscripts submitted but not accepted should be cited in the text as "unpublished 152 observations" with written permission from the source. Avoid citing a "personal communication" unless 153 it provides essential information not available from a public source, in which case the name of the person 154 and date of communication should be cited in parentheses in the text.

#### 155 **Reference to a journal publication:**

Ormsbee MJ, Prado CM, Ilich JZ, Purcell S, Siervo M, Folsom A, *et al.* Osteosarcopenic obesity: the role
of bone, muscle, and fat on health. *J Cachexia Sarcopenia Muscle*, 2014, 5(3): 183-192.

#### 158 **Reference to a book**

159 Voet D, Voet JG. Biochemistry. New York: John Wiley & Sons 1990. 1223 p.

#### 160 **Reference to a website**

161CancerResearchUK,1975.CancerstatisticsreportsfortheUK.162<a href="http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/">http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/</a> (accessed 13.03.03).

163For other types of references please refer to U.S. National Library of Medicine164(<u>https://www.nlm.nih.gov/bsd/uniform\_requirements.html</u>). The names of journals should be Italic.

165 The journal also recommends that authors prepare references with a bibliography software package, such 166 as EndNote to avoid typing mistakes and duplicated references.

## 167 Supplementary Materials

- 168 Additional data and information can be uploaded as Supplementary Materials to accompany the
- 169 manuscripts. The supplementary materials will also be available to the referees as part of the peer-review
- 170 process. Any file format is acceptable, such as data sheet (word, excel, csv, cdx, fasta, pdf or zip files),
- 171 presentation (powerpoint, pdf or zip files), image (cdx, eps, jpeg, pdf, png or tiff), table (word, excel, csv
- 172 or pdf).